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FILE 'REGISTRY' ENTERED AT 12:09:47 ON 10 FEB 2005

L1 STRUCTURE UPLOADED

L2 9 S L1

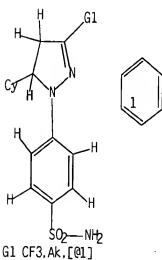
L3 127 S L1 FULL

FILE 'CAPLUS' ENTERED AT 12:10:35 ON 10 FEB 2005

L4 40 S L3

=> d que 14 stat

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L3 127 SEA FILE=REGISTRY SSS FUL L1

L4 40 SEA FILE=CAPLUS ABB=ON PLU=ON L3

=> d 1-40 bib abs hitstr

LA AM5681.1 OF 40 CAPLUS COPYRIGHT 2005 ACS ON STM

AN 2004-037039 CAPLUS

DN 141-326648

I1 Presentation of (-)-1-(4-sulfamoylphenyl)-3-substituted-5-heteroaryl-2-

pyrazolines as inhibitors of cyclooxygenase-2 (COX-2)

P3 Ready, Froehner, E.; Ready, Renee M. Y.; Bell, Stanley C.

P4 Temple University of the Commonwealth System of Higher Education, USA;

Oncocyte Therapeutics, Inc.

NO PCT Int. Appl., 46 pp.

CLASS: F20302

I2 Patent

LA Enflin

FAM ONT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

P1 NO 2004032609 AZ 20041114 NO 2004-058266 20040319

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,

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LA AM5681.1 OF 40 CAPLUS COPYRIGHT 2005 ACS ON STM (Continued)

Further, these pyrazolines are claimed for use in treating, inhibiting or

relieving the onset of Alzheimer's disease, presenile dementia,

schizophrenia, anorectic lateral sclerosis, Parkinson's disease,

Huntington's disease, cerebral ischemia or stroke. Thus,

(-)-1-(4-sulfamoylphenyl)-3-(trifluoromethyl)-5-(3-indolyl)-2-pyrazoline (III)

was used, via results of the corresponding racemate using an HPLC system

with a Chiralpak AD column. The propyl pyrazolines were assayed for

inhibition of COX-2 activity.

I7 707623-46-6, (-)-1-(4-Sulfamoylphenyl)-3-(trifluoromethyl)-5-(3-

indolyl)-2-pyrazoline 707623-46-6, (+)-1-(4-Sulfamoylphenyl)-3-

trifluoromethyl)-5-(3-indolyl)-2-pyrazoline 707623-46-6,

(-)-1-(4-Sulfamoylphenyl)-3-(trifluoromethyl)-5-(7-chloroindol-3-yl)-2-

pyrazoline 707623-50-3, (+)-1-(4-Sulfamoylphenyl)-3-

trifluoromethyl)-5-(7-chloroindol-3-yl)-2-pyrazoline

RE: PAC (Pharmacological activity); PUR (Purification or recovery); SM

(Synthetic preparation); RM (Therapeutic use); BDM (Biological study);

PREP (Preparation); SES (Uses)

(preparation of (-)-1-(4-sulfamoylphenyl)-3-substituted-5-heteroaryl-2-

pyrazolines as inhibitors of cyclooxygenase-2)

RN 707623-45-4 CAPLUS

O1 Benzene/Foundal, 4-(4,5-dihydro-5-[1H-indol-3-yl]-3-(trifluoromethyl)-

3H-pyrazol-1-yl)-, (-)- (EC) (CA INDEX NAME)

Rotation (-),

RN 707623-46-5 CAPLUS

O1 Benzene/Foundal, 4-(4,5-dihydro-5-[1H-indol-3-yl]-3-(trifluoromethyl)-

3H-pyrazol-1-yl)-, (+)- (EC) (CA INDEX NAME)

Rotation (+),

RN 707623-46-5 CAPLUS

O1 Benzene/Foundal, 4-(4,5-dihydro-5-[1H-indol-3-yl]-3-(trifluoromethyl)-

3H-pyrazol-1-yl)-, (+)- (EC) (CA INDEX NAME)

Rotation (+),

RN 707623-46-5 CAPLUS

O1 Benzene/Foundal, 4-(4,5-dihydro-5-[1H-indol-3-yl]-3-(trifluoromethyl)-

3H-pyrazol-1-yl)-, (+)- (EC) (CA INDEX NAME)

Rotation (+),

RN 707623-46-5 CAPLUS

O1 Benzene/Foundal, 4-(4,5-dihydro-5-[1H-indol-3-yl]-3-(trifluoromethyl)-

3H-pyrazol-1-yl)-, (+)- (EC) (CA INDEX NAME)

Rotation (+),

RN 707623-46-5 CAPLUS

O1 Benzene/Foundal, 4-(4,5-dihydro-5-[1H-indol-3-yl]-3-(trifluoromethyl)-

3H-pyrazol-1-yl)-, (+)- (EC) (CA INDEX NAME)

Rotation (+),

RN 707623-46-5 CAPLUS

O1 Benzene/Foundal, 4-(4,5-dihydro-5-[1H-indol-3-yl]-3-(trifluoromethyl)-

3H-pyrazol-1-yl)-, (+)- (EC) (CA INDEX NAME)

Rotation (+),

RN 707623-46-5 CAPLUS

O1 Benzene/Foundal, 4-(4,5-dihydro-5-[1H-indol-3-yl]-3-(trifluoromethyl)-

3H-pyrazol-1-yl)-, (+)- (EC) (CA INDEX NAME)

Rotation (+),

RN 707623-46-5 CAPLUS

O1 Benzene/Foundal, 4-(4,5-dihydro-5-[1H-indol-3-yl]-3-(trifluoromethyl)-

3H-pyrazol-1-yl)-, (+)- (EC) (CA INDEX NAME)

Rotation (+),

RN 707623-46-5 CAPLUS

O1 Benzene/Foundal, 4-(4,5-dihydro-5-[1H-indol-3-yl]-3-(trifluoromethyl)-

3H-pyrazol-1-yl)-, (+)- (EC) (CA INDEX NAME)

Rotation (+),

RN 707623-46-5 CAPLUS

O1 Benzene/Foundal, 4-(4,5-dihydro-5-[1H-indol-3-yl]-3-(trifluoromethyl)-

3H-pyrazol-1-yl)-, (+)- (EC) (CA INDEX NAME)

Rotation (+),

RN 707623-46-5 CAPLUS

O1 Benzene/Foundal, 4-(4,5-dihydro-5-[1H-indol-3-yl]-3-(trifluoromethyl)-

3H-pyrazol-1-yl)-, (+)- (EC) (CA INDEX NAME)

Rotation (+),

RN 707623-46-5 CAPLUS

O1 Benzene/Foundal, 4-(4,5-dihydro-5-[1H-indol-3-yl]-3-(trifluoromethyl)-

3H-pyrazol-1-yl)-, (+)- (EC) (CA INDEX NAME)

Rotation (+),

RN 707623-46-5 CAPLUS

O1 Benzene/Foundal, 4-(4,5-dihydro-5-[1H-indol-3-yl]-3-(trifluoromethyl)-

3H-pyrazol-1-yl)-, (+)- (EC) (CA INDEX NAME)

Rotation (+),

RN 707623-46-5 CAPLUS

O1 Benzene/Foundal, 4-(4,5-dihydro-5-[1H-indol-3-yl]-3-(trifluoromethyl)-

3H-pyrazol-1-yl)-, (+)- (EC) (CA INDEX NAME)

Rotation (+),

- L4 ANXER 2 OF 40 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2004-200600 CAULUS
 DN 340,30446
 T1 (Semi)collective HPLC determination of E-6807, a new COX-2 inhibitor, in human plasma: Validation and pharmacokinetic application
 AN Salgue, Leonardo; Incha, Degracia; Ferran, Xosha; Pulg, Santiago; Martinez, Luis
 C3 Laboratorios Dr. Esteve, Pharmacokinetics and Drug Metabolism Departments, Barcelona, Spain
 US Chirality (2004), 16(5), 302-308
 CDDN: CHL07; ISSN: 0099-0442
 P6 Miller-Lite, Inc.
 DT Journal
 LA English
 AB E-6807 is a nonsteroidal anti-inflammatory compound that selectively inhibits cyclooxygenase-2. Because E-6807 has a chiral center, only compound 1 is a racemic mixture of two stereoisomers, (+)-(+)-E-6807 (E-6203) and (-)-(-)-E-6807 (E-6202). A normal-phase HPLC-chromatography method for the enantioselective determination of E-6807 in human plasma was developed and validated. The samples were extracted using solid-phase extraction cartridges containing C18 sorbent, and the extracts were reconstituted in absolute ethanol and injected into the chromatography system. The enantioselective separation was achieved on a chiral stationary-phase column of derivatized amylose, and the enantiomers were quantified by fluorescence detection. The method was validated for drug concentrations ranging from 5 to 400 ng/mL for both enantiomers. No peaks interfering with the quantification of enantiomers were observed. The limits of quantification was 5 ng/mL, with precision expressed as a coefficient of variation lower than 10.0% and accuracy expressed as relative error lower than 12.5%. The utility of this method was demonstrated by analysis of plasma samples from healthy volunteers given an oral dose of rac-E-6807. Peak plasma levels of (-)-E-6807 were higher than levels obtained for (+)-E-6807. Results were consistent with those obtained with a conventional reversed-phase method used for determination of the racemic compound.
- IT 251442-94-5, E-6807 251443-85-9, E-6203
 251443-86-0, E-6202
 RL: ANT (Analytical); PCT (Pharmaceuticals); ANST (Analytical study); BOLD (Biological study)
 (Semi)collective HPLC determination of E-6807, a new COX-2 inhibitor, in human plasma: validation and pharmacokinetic application
- N4 251442-94-1 CAULUS
 CN Benzoesulfonamide, 4-[(5)-(2,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-2H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

L4 ANXER 2 OF 40 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



REL.OT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORM

L4 ANXER 2 OF 40 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



N4 251443-85-9 CAULUS
 CN Benzoesulfonamide, 4-[(5)-(2,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-2H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)
 Absolute stereochemistry. Rotation (+).



N4 251443-86-0 CAULUS
 CN Benzoesulfonamide, 4-[(5)-(2,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-2H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)
 Absolute stereochemistry. Rotation (-).

L4 ANXER 3 OF 40 CAPLUS COPYRIGHT 2005 ACS on STN

- AN 2004-182891 CAULUS
 DN 140-210105
 T1 Method using dialkyl esters and other compounds for treating arthritic, cartilage damage, and other intervertebral mediated conditions
 IN Cordell, Joseph Anthony; Kijima, Kenneth Stanley; S110010, Diego Robert; Rove, Susan E110010; Helms, David Herbert; Kowals, Mark Charles
 PA Warner-Lambert Company LLC, USA
 SD PCT Int. Appl., 117 pp.
 CDDN: P1002
 DT Patent
 LA English
 FAN CH 2

PATENT NO. 6300 DATE APPLICATION NO. DATE
 P1 NO 2004071992 A1 20040304 NO 2002-183664 20030813
 NO AG, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, CA, CH, CN, CO, CR, CU, DE, DK, DM, DO, EC, EE, ES, FI, GB, GR, HU, IL, IN, JP, KR, KZ, LI, LU, LT, LV, MA, MD, ME, MG, MK, MN, MU, MY, NZ, OM, PA, PE, PG, PH, PL, PT, RU, SD, SE, SI, SK, SL, SV, TW, UA, UK, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: GN, GT, HE, IE, IS, JM, KE, KG, KP, KR, KZ, LC, LI, LU, LT, LV, MA, MD, ME, MG, MK, MN, MU, MY, NZ, OM, PA, PE, PG, PH, PL, PT, RU, SD, SE, SI, SK, SL, SV, TW, UA, UK, US, UZ, VC, VN, YU, ZA, ZM, ZW
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 US 2004060710 A1 20040311 US 2002-030710 20030812
 PMA US 2002-425509 P 20020602
 US 2002-475429 P 20020602
 US 2002-477609 P 20020609
 US 2002-484809 P 20020702
 AN INPAT 140-210105
 AB The invention discloses combinations, compounds, and methods using or having a substituted dialkyl ether, substituted aryl-alkyl ether, substituted dialkyl ketone, substituted alkyl ketone, or substituted alkyl compound, or a pharmaceutically acceptable salt thereof, as an active component for preventing or treating osteoarthritis, preventing or inhibiting cartilage damage, preventing or treating rheumatoid arthritis, improving joint function, alleviating pain, including joint pain, and the like in a patient in need thereof. Comps. of the invention include a.s. 6-(5-carboxy-5-methyl-heptyl)-2,2-dimethylsuccinic acid calcium salt (CI-1007).
 IT 251442-94-1
 RL: ANS (Pharmaceutical activity); BOLD (Biological study); BOLD (Biological study); USFS (Usual)
 (dialkyl) ethers and other compounds for treating arthritic, cartilage damage, and other intervertebral mediated conditions

N4 251442-94-1 CAULUS
 CN Benzoesulfonamide, 4-[(5)-(2,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-2H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

L4 ANSWER 3 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



RE,ENT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM

2002-12-03

IN 140-137541

11 Determination of enantiomeric purity of a novel COX-2 anti-inflammatory drug by capillary electrophoresis using single and dual cyclodextrin systems

AU Perez-Ruano, Carlos; Calvet, Carme; Gabernet, Rosa; Frigola, Jordi
CS Medicinal Chemistry Department, Universitat Dr. Esteve S.A., Barcelona, E-08041, Spain

50 Electrophoresis (2003), 24 (9), 1415-1421

0009-1005/03/09-1415-08\$5

95 Wiley-VCH Verlag GmbH & Co. KGaA

07 Journal

LA English

AB E-6007 is the most advanced compound among the cyclooxygenase-2 (COX-2) inhibitor drugs developed in the authors' company. Its activity is mainly associated with the (S)-enantiomer (E-6020), whereas the (R)-enantiomer (E-6021) becomes an impurity whose content should be determined. Five safe lipophilic and degradation products of E-6020 were found (E-6114, E-6024, E-6022, E-6030 and E-6102), and some of them co-elute with the diastereomer using a chiral high-performance liquid chromatography (HPLC) method. Consequently, the authors have optimized the separation of all the lipophilic from the 2 enantiomers of E-6007 by capillary electrophoresis (CE), to use this method for the enantiomeric purity determination of E-6020. The effect of the buffer content in the background electrolyte (BGE), the sulfonated ether- β -cyclodextrin (SE- β -CD) and heptakis-(2,6-di-O-methyl)- β -cyclodextrin (EM- β -CD) concentration, and the capillary temperature were studied. Separation of all compounds could be achieved in different systems, either in a single CE-system (with SE- β -CD) or in a dual CE-system (with EM- β -CD as a neutral CE). By using the dual CE system a limit of detection (LOD) and a limit of quantitation (LOQ) of 0.038 and 0.18 of diastereomer, respectively, were achieved.

11 253442-94-1, (S)-E-6007 253442-99-4, (S)-E-6024

253442-07-9, (R)-E-6020 253442-41-1, (S)-E-6114

253442-60-9, (S)-E-6021 253442-40-1, (S)-E-6022

RE: ANT (Analyte); MNT (Analytical study)

Determination of enantiomeric purity of a novel COX-2 anti-inflammatory drug by capillary electrophoresis using single and dual cyclodextrin systems

IN 253442-04-1 CAPLUS

DE Benveniste/Forward, 4-[5-(2,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-2H-pyrazol-1-yl]-1H-imidazole (CA INDEX NAME)

L4 ANSWER 4 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



IN 253442-99-4 CAPLUS

DE Benveniste/Forward, 4-[5-(2-fluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-2H-pyrazol-1-yl]-1H-imidazole (CA INDEX NAME)



IN 253442-07-9 CAPLUS

DE Benveniste/Forward, 4-[5-(2-fluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-2H-pyrazol-1-yl]-1H-imidazole (CA INDEX NAME)



IN 253442-41-1 CAPLUS

DE Benveniste/Forward, 4-[4,5-dihydro-3-(trifluoromethyl)-5-(2,2,4,4-tetrafluorophenyl)-2H-pyrazol-1-yl]-1H-imidazole (CA INDEX NAME)

L4 ANSWER 4 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



IN 253442-60-9 CAPLUS

DE Benveniste/Forward, 4-[5-(2,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-2H-pyrazol-1-yl]-1H-imidazole (CA INDEX NAME)

Absolute stereochemistry: Rotation (+).



IN 253442-60-9 CAPLUS

DE Benveniste/Forward, 4-[5-(2,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-2H-pyrazol-1-yl]-1H-imidazole (CA INDEX NAME)

Absolute stereochemistry: Rotation (-).



RE,ENT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

LA ANKER 6 OF 40 CAPULS COPYRIGHT 2005 ACS on STM

IN 2002: MEDICIN CARVUS

DN 139-17038

TI

Utilization of novel COX-2 anti-inflammatory drugs by capillary

electrophoresis

AI Perez-Arcega, C.; Calver, C.; Givens, R.; Frigola, J.

CS Medical Chemistry Department, Laboratorios S.A., Barcelona, (c-2004), Spain

SO Bioforma International (2002), 615), 275-277

COBIS: 831709; ISSN: 1424-2035

PS GTT Verlag GmbH & Co. KG

ST Journal

LA (English)

AB A capillary electrophoresis (CE) method was developed for the separation

of three novel COX-2 inhibitor drugs (E-825, E-6066 (E-6067) with

anti-inflammatory and analgesic activities using sodium/potassium-8-

octylsulfonate (SOS-8-O) as a buffer electrolyte. The use of 50 mM

sodium tetraborate at pH 9.2, 7.1 mM SDS-P-20 and 3.0 mM

(volume/volume), as a background electrolyte (BGE), allowed the complete

separation of the three neutral reagents and their corresponding

metabolites in a single run. Migration times were shortened by adding

1.75 mM dimethyl-3-octylsulfonate (DM-3-O) to the previous BGE

(dual CE system). The reversal of the elution order of E-825

enantiomers in the dual CE system was also studied.

II 251442-44-UP; (x)-E 6232

251443-44-UP; (x)-E 6232

RL ANT (Analytical): FMB (Purification or recovery): ANT (Analytical

study): PREP (Preparation)

(separation of novel COX-2 anti-inflammatory drugs by capillary

electrophoresis)

IN 251442-44-1: CAPULS

CH Bechemm/Towar, 4-((5-(2,4-difluorophenyl)-4,5-dihydro-3-

(trifluoromethyl)-1H-imidazol-1-yl))- (XCI) (CA INDEX NAME)

Chemical structure 1

Chemical structure 2

Chemical structure 3

Chemical structure 4

Chemical structure 5

Chemical structure 6

Chemical structure 7

Chemical structure 8

Chemical structure 9

Chemical structure 10

Chemical structure 11

Chemical structure 12

Chemical structure 13

Chemical structure 14

Chemical structure 15

Chemical structure 16

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Chemical structure 234

Chemical structure 235

Chemical structure 236

Chemical structure 237

Chemical structure 238

L4 ANSWER 7 OF 40 CAPLUS COPYR[IGHT] 2005 ACS on STM (Cont.)



FBI 251443-02-4 CAPLUS

DI Benzenesulfonamide, 4-[(5-(3,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (9CI) (CA INDEX NAME)



FM 251443-04-6 CAPUS

ON Benzenesulfonamide, 4-[5-(2,4-dichlorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (SCI) (CA INDEX NAME)



RV 251443-05-7 CAPLUS

L4 ANSWER 7 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



FN 251443-02-1 CAPLUS

CH Benzenesulfonyl chloride, 4-[5-(3-fluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



PN 251443-11.5 CAPLUS

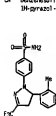
ON Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methoxyphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



PH 251443-12-6 CAPUS

DI Benzenesulfonamide, 4-[5-(3-chloro-4-fluorophenyl)-4,5-dihydro-3-(trifluoroethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 7 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



RV 251443-06-8 CAPLUS

CI Benzotriazole, 4-[4,5-dihydro-5-(3-methylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RM 251443-07-9 CAPLUS

01 Benzene sulfonamide, 4-[5-(2-fluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-imazol-1-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 7 OF 40 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 251443-13-7 CAPUS

Benzenesulfonamide, 4-[4,5-dihydro-5-[4-(trifluoromethoxy)phenyl]-3-(trifluoromethyl)-1H-imazol-1-yl]- (9C) (CA INDEX NAME)



IN 251443-14-8 CAPLUS

Benzenesulfonamide, 4-[5-(2,3-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



N 251443-15-9 CAPLUS

Benzenesulfonamide, 4-[5-(2,4-dimethylphenyl)-4,5-dihydro-3-(trifluoromethyl)-2H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 7 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



RX 251443-17-1 CAPLUS
 CN Benzenesulfonamide, 4-(5-(4-Fluorophenyl)-4,5-dihydro-3-methyl-1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)



FH 251443-20-6 CAPLUS
 CN Benzenesulfonyl fluoride, 4-[4,5-dihydro-3-methyl-5-[(4-(trifluoromethyl)phenyl)-1H-pyrazol-1-yl]]- (SC) (CA INDEX NAME)



RW 251443-24-0 CAP/LIS

L4 ANSWER 7 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)
phenyl-, methyl ester (9C1) (CA INDEX NAME)



CA 251443-30-8 CAPLUS
 CN 3H-Pyrazole-5-carboxamide, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-phenyl- (SCI) (CA INDEX NAME)



RN 251443-31-9 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, 1-[4-(*tert*-butyl)phenyl]-4,5-dihydro-5-(4-methylphenyl)- (9CI) (CA INDEX NAME)



IN 251443-34-2 CAPLUS
 CN Benzenesulfonyl chloride, 4-([5-(3,4-dimethylphenyl)-4,5-dihydro-3-(4-trifluoromethyl)-2H-pyrazol-1-yl)]- (SC1) (CA INDEX NAME)

1H-Pyrazolo-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-(4-methylphenyl)- (SCI) (CA INDEX NAME)



RN 253443-25-1 CAPLUS
 CN 3H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-phenyl-, (S1) (CA INDEX NAME)



IN 251443-27-3 CAPLUS
CI 3H-Pyrazole-3-carboxylic acid, 1-[4-(aminomethyl)phenyl]-4,5-dihydro-5-(4-methylphenyl)-, methyl ester (9CI) (CA [INDX NAME])



RN 251443-20-4 CAPLUS
 CN 3H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-

L4 ANSWER 7 OF 40 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RE 251443-25-3 CAPLUS
CI Benzenesulfonyl fluoride, 4-[4,5-dihydro-5-(4-methoxy-3-methylphenyl)-3-(trifluoroethyl)-1H-pyrazol-1-yl]- (9CI) (CA) [INDEX NAME]



DI Benzensulfonamide, 4-[5-(3-fluoro-4-methoxyphenyl)-4,5-dihydro-3-(trifluoromethyl)-2H-pyrazol-1-yl]- (PCI) (CA INDEX NAME)



Q1 Benzenesulfonamide, 4-[5-(2-fluoro-4-methoxyphenyl)-4,5-dihydro-3-(trifluoromethyl)-2H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

14. ANSWER 7 OF 48 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



RN 251443-38-6 CAPLUS
 CH Benzenesulfonamide, 4-[(5-(2,4-dimethoxyphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (EC1) (CA INDEX NAME)



RN 251443-39-7 CAPLUS
 CH Benzenesulfonamide, 4-[(5-(4-fluoro-2-methoxyphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (EC1) (CA INDEX NAME)



RN 251443-40-8 CAPLUS
 CH Benzenesulfonamide, 4-[(3-(2,4-difluorophenyl)-5-(2,4-dimethylphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (EC1) (CA INDEX NAME)

14. ANSWER 7 OF 48 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)

RN 251443-43-3 CAPLUS
 CH Benzenesulfonamide, 4-[(5-(2-fluoro-4-(trifluoromethyl)phenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (EC1) (CA INDEX NAME)



RN 251443-44-4 CAPLUS
 CH Benzenesulfonamide, 4-[(5-(2,4-difluoro-4-(trifluoromethyl)phenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (EC1) (CA INDEX NAME)



RN 251443-45-5 CAPLUS
 CH Benzenesulfonamide, 4-[(5-(2-fluoro-2-methylphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (EC1) (CA INDEX NAME)



14. ANSWER 7 OF 48 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)
 4-hydro-3-(trifluoromethyl)-1-yl)]- (EC1) (CA INDEX NAME)



RN 251443-41-1 CAPLUS
 CH Benzenesulfonamide, 4-[(4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (EC1) (CA INDEX NAME)



RN 251443-42-2 CAPLUS
 CH Benzenesulfonamide, 4-[(5-(2-chloro-4-fluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (EC1) (CA INDEX NAME)



14. ANSWER 7 OF 48 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)
 RN 251443-46-4 CAPLUS
 CH Benzenesulfonamide, 4-[(4,5-dihydro-5-(4-methoxy-2-methylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (EC1) (CA INDEX NAME)



RN 251443-47-7 CAPLUS
 CH Benzenesulfonamide, 4-[(3-(2,4-difluorophenyl)-5-(2,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (EC1) (CA INDEX NAME)



RN 251443-48-8 CAPLUS
 CH Benzenesulfonamide, 4-[(5-(4-fluoro-2-(trifluoromethyl)phenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (EC1) (CA INDEX NAME)



RN 251443-50-2 CAPLUS

- LA ANSWER 7 OF 49 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)
 CN Benzoesulfonylformic acid, 4-[(5-(2-chlorophenyl)-4,5-dihydro-3-(trifluoromethyl)-2H-pyrazol-1-yl)]- (XC1) (CA INDEX NAME)



- IN 251443-51-2 CAPLUS
 CN Benzoesulfonylformic acid, 4-[(5-(4-chloro-2-fluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-2H-pyrazol-1-yl)]- (XC1) (CA INDEX NAME)



- IN 251443-52-4 CAPLUS
 CN Benzoesulfonylformic acid, 4-[(5-(4-fluoro-2-methylphenyl)-4,5-dihydro-3-(trifluoromethyl)-2H-pyrazol-1-yl)]- (XC1) (CA INDEX NAME)

- LA ANSWER 8 OF 49 CAPLUS COPYRIGHT 2005 ACS on STM
 AI 2002-122732 CAPLUS
 DI 136:72139
 I1 Synthesis of novel cyclic benzoesulfonylurea and thiourea derivatives
 AI Fakhaltah, Hassan A.; Altar, Hassan A.; Mokhl, Mohamed S. J.; Shahrinea, E. M.
 CS Chemistry Department, Faculty of Science, Alexandria University, Alexandria, Egypt
 SO Hosphorus, Sulfur and Silicon and the Related Elements (2002), 177(3), 695-697
 CODEN: PSSLEC; ISSN: 1042-4507
 PB Taylor & Francis Ltd.
 DT Journal
 LA English
 DI COSTRACT 136:72398
 AB Treatment of the pyrazoline derivative with isocyanates or isothiocyanates afforded ureas and thioureas in a good yield. Subsequent treatment of the benzoesulfonylthioureas with *n*- and *β*-halogenocarbonyl compounds gave the corresponding thiazolidines and 1,3-thiazinanes resp. When urea derivative were reacted with di-*n*-haloates in sodium ethoxide, they gave the corresponding general oxazepanone derivative. The structure of the isolated products were determined by the spectral methods.
 I1 180716-94-1 403479-69-4 403479-70-9
 403479-71-0 403479-72-1 403479-73-2
 RI: RCT (Reactant); RCT (Reactant or reagent)
 (preparation cyclic benzoesulfonylurea and thiourea deriv.)
 I1 180716-94-1 CAPLUS
 CN Benzoesulfonylformic acid, 4-[(5-(2-furyl)-4,5-dihydro-3-methyl-2H-pyrazol-1-yl)]- (XC1) (CA INDEX NAME)



- IN 403479-69-4 CAPLUS
 CN Benzoesulfonylformic acid, 4-[(4,5-dihydro-2-methyl-5-(2-thienyl)-2H-pyrazol-1-yl)]- (XC1) (CA INDEX NAME)

- LA ANSWER 7 OF 49 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



- IN 251443-53-5 CAPLUS
 CN Benzoesulfonylformic acid, 4-[(5-(2-fluoro-4-methylphenyl)-4,5-dihydro-3-(trifluoromethyl)-2H-pyrazol-1-yl)]- (XC1) (CA INDEX NAME)



- RE:CN1 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORM

- LA ANSWER 8 OF 49 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



- IN 403479-70-9 CAPLUS
 CN Benzoesulfonylformic acid, 4-[(4,5-dihydro-3-methyl-5-(3-thienyl)-2H-pyrazol-1-yl)]- (XC1) (CA INDEX NAME)



- IN 403479-71-0 CAPLUS
 CN Benzoesulfonylformic acid, 4-[(4,5-dihydro-3-phenyl-5-(3-thienyl)-2H-pyrazol-1-yl)]- (XC1) (CA INDEX NAME)



- IN 403479-72-1 CAPLUS
 CN Benzoesulfonylformic acid, 4-[(3-(4-bromophenyl)-4,5-dihydro-5-(3-thienyl)-2H-pyrazol-1-yl)]- (XC1) (CA INDEX NAME)

L4 ANSWER 10 OF 40 CAPLUS COPYRIGHT 2005 ACS ON STM (Continued)
RE-OHT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 40 CAPLUS COPYRIGHT 2005 ACS ON STM (Continued)
AN 2001-198706 CAPLUS
ON 136-230229
T1 Synthesis of new pyrazoles from chalcones
A0 Fatahat, H. M.; Nassef, Mohamed S. I.; Altair, H. A.; Shorshita, E. H.
CS Chemistry Department, Alesandria University, Alexandria, Egypt
SO Indian Journal of Heterocyclic Chemistry (2001), 11(1), 21-26
CODON: JOCHE: ISSN: 0971-1627
R6 Prof. H. S. Youssef
OT Journal
LA English
CS CABSUSACT 136-230229
AB Condensation of chalcones with p-sulfamylphenylhydrazine hydrochloride in presence of sodium acetate afforded the corresponding hydrazones.
Subsequent boiling of the hydrazones in ethanol containing few drops of hydrosulfuric acid gave the corresponding pyrazolines. Oxidation of the pyrazolines with aqueous bromine furnished 3,5-disubstituted pyrazoles. When pyrazolines were treated with iodine in chloroform, they underwent oxidative bromination giving the chromopyrazoles.
IT 180714-4e-3P 403479-6e-4P 403479-7e-4P
403479-7i-4P 403479-7j-4P 403479-7k-4P
RI: ACT (Reaction); SYN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(Preparation of pyrazoles from chalcones)
R6 180714-4e-3 CAPLUS
ON Benzene/Found. 4-[5-(2-furanyl)-4,5-dihydro-3-methyl-3H-pyrazol-1-yl]-
(OCT) (CA INDEX NAME)



R6 403479-6P-6 CAPLUS
ON Benzene/Found. 4-(4,5-dihydro-3-methyl-5-(2-thienyl)-3H-pyrazol-1-yl)-
(OCT) (CA INDEX NAME)

L4 ANSWER 11 OF 40 CAPLUS COPYRIGHT 2005 ACS ON STM (Continued)



R6 403479-7i-9 CAPLUS
ON Benzene/Found. 4-(4,5-dihydro-3-methyl-5-(2-thienyl)-3H-pyrazol-1-yl)-
(OCT) (CA INDEX NAME)

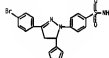


R6 403479-7j-0 CAPLUS
ON Benzene/Found. 4-(4,5-dihydro-3-phenyl-5-(2-thienyl)-3H-pyrazol-1-yl)-
(OCT) (CA INDEX NAME)

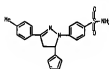


R6 403479-7k-1 CAPLUS
ON Benzene/Found. 4-(3-(4-bromophenyl)-4,5-dihydro-5-(2-thienyl)-3H-pyrazol-1-yl)-
(OCT) (CA INDEX NAME)

L4 ANSWER 11 OF 40 CAPLUS COPYRIGHT 2005 ACS ON STM (Continued)

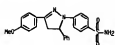


R6 403479-7l-2 CAPLUS
ON Benzene/Found. 4-(4,5-dihydro-3-(4-methylphenyl)-5-(2-thienyl)-3H-pyrazol-1-yl)-
(OCT) (CA INDEX NAME)

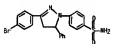


RE-OHT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 13 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



RN 313256-17-8 CAPLUS
 CH Benzenesulfonamide, 4-((4-bromophenyl)-4,5-dihydro-5-phenyl-3H-imidazol-1-yl)- (XCI) (CA INDEX NAME)



RN 351442-96-3 CAPLUS
 CH Benzenesulfonamide, 4-((4,5-dihydro-5-phenyl-3-(trifluoromethyl)-3H-imidazol-1-yl)- (XCI) (CA INDEX NAME)

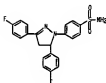


RN 313256-73-6 CAPLUS
 CH Benzenesulfonamide, 4-((4,5-dihydro-5-(3H-imidol-3-yl)-3-(trifluoromethyl)-3H-imidazol-1-yl)- (XCI) (CA INDEX NAME)

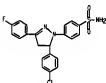
L4 ANSWER 13 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



RN 313256-74-7 CAPLUS
 CH Benzenesulfonamide, 4-((3,5-bis(4-fluorophenyl)-4,5-dihydro-3H-imidazol-1-yl)- (XCI) (CA INDEX NAME)



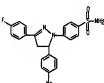
RN 313256-75-8 CAPLUS
 CH Benzenesulfonamide, 4-((5-(4-chlorophenyl)-3-(4-fluorophenyl)-4,5-dihydro-3H-imidazol-1-yl)- (XCI) (CA INDEX NAME)



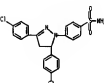
RN 313256-76-9 CAPLUS

L4 ANSWER 13 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)

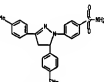
CH Benzenesulfonamide, 4-((3-(4-fluorophenyl)-4,5-dihydro-5-(4-methylphenyl)-3H-imidazol-1-yl)- (XCI) (CA INDEX NAME)



RN 313256-77-0 CAPLUS
 CH Benzenesulfonamide, 4-((3,5-bis(4-chlorophenyl)-4,5-dihydro-3H-imidazol-1-yl)- (XCI) (CA INDEX NAME)

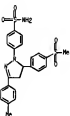


RN 313256-78-1 CAPLUS
 CH Benzenesulfonamide, 4-((4,5-dihydro-3-(4-methylphenyl)-5-(4-methylbiphenyl)-3H-imidazol-1-yl)- (XCI) (CA INDEX NAME)



RN 313256-79-2 CAPLUS
 CH Benzenesulfonamide, 4-((4,5-dihydro-3-(4-methylphenyl)-5-(4-methylbiphenyl)-3H-imidazol-1-yl)- (XCI) (CA INDEX NAME)

L4 ANSWER 13 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



REMARK 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

123989-93-3 CAPLUS
Benzenesulfonyl fluoride, 4-[4,5-dihydro-3-methyl-5-(4-methylphenyl)-2H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



RN 251442-92-9 CAPLUS
 CN Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



IN 251442-96-3 CAPLUS
CN Beszerevulfonyl de, 4-[4,5-dihydro-5-phenyl-3-(trifluoromethyl)-2H-pyrazol-1-yl]- (GC) (CA INDEX NAME)



IN	251442-99-6 CAPLUS
CN	Benzene/sulfonamide, 4-[5-(4-fluorophenyl)-4,5-dihydro-3-(trifluoroethyl)-1H-pyrazol-1-yl]- (3CI) (CA INDEX NAME)

Benzenesulfonamide, 4-[(4,5-dihydro-5-(2-methylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (PCI) (CA INDEX NAME)



RN 251443-06-8 CAPLUS
 CN Benzenesulfonamide, 4-[(4,5-dihydro-5-(3-methylphenyl)-3-(trifluoromethyl)-2H-pyrazol-1-yl)]- (9CI) (CA INDEX NAME)



DI Benzenesulfonamide, 4-[5-(2-Fluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 251443-09-1 CAPLUS
 CN Benzenesulfonamide, 4-[5-(3-fluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-

L4 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



RM 251443-02-4 CAPLUS
 CN Benzenesulfonamide, 4-[5-(3,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 253443-04-6 CAPLUS
 CN Benzenesulfonamide, 4-([5-(2,4-dichlorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (9CI) (CA INDEX NAME)



FIN 253443-05-7 CAPLUS

L4 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)
3H-pyrazol-1-yl]- (PCI) (CA INDEX NAME)



RN 251443-11-5 CAPLUS
 CI Benzenesulfonamide, 4-[4,5-dihydro-5-(4-methoxyphenyl)-3-(trifluoromethyl)-
 1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



IN 251443-12-6 CASUS
GN Benzenesulfonamide, 4-[5-(3-chloro-4-fluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl]- [SCI] (CA INDEX NAME)



IN 253443-13-7 CAPLUS
 CN Benzene sulfonamide, 4-[4,5-dihydro-5-[4-(trifluoromethoxy)phenyl]-3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2006 ACS on STM (Continued)



IN 251443-14-0 CAPLUS

ON Benzenesulfonamide, 4-((5-(2,3-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-3H-pyrazol-1-yl))- (ICI) (CA INDEX NAME)



IN 251443-15-9 CAPLUS

ON Benzenesulfonamide, 4-((5-(2,4-dimethylphenyl)-4,5-dihydro-3-(trifluoromethyl)-3H-pyrazol-1-yl))- (ICI) (CA INDEX NAME)



L4 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2006 ACS on STM (Continued)

ON 3H-Pyrazole-3-carboxylic acid, 1-((4-(benzenesulfonylphenyl)-4,5-dihydro-5-(4-methylphenyl)-1-methyl ester (ICI) (CA INDEX NAME)



IN 251443-28-4 CAPLUS

ON 3H-Pyrazole-3-carboxylic acid, 1-((4-(benzenesulfonylphenyl)-4,5-dihydro-5-(4-methylphenyl)-1-methyl ester (ICI) (CA INDEX NAME)



IN 251443-28-8 CAPLUS

ON 3H-Pyrazole-3-carboxylic acid, 1-((4-(benzenesulfonylphenyl)-4,5-dihydro-5-(4-methylphenyl)-1-methyl ester (ICI) (CA INDEX NAME)



IN 251443-24-2 CAPLUS

ON Benzenesulfonamide, 4-((5-(2,4-dimethylphenyl)-4,5-dihydro-3-(trifluoromethyl)-3H-pyrazol-1-yl))- (ICI) (CA INDEX NAME)

L4 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2006 ACS on STM (Continued)

IN 251443-17-1 CAPLUS

ON Benzenesulfonamide, 4-((5-(4-fluorophenyl)-4,5-dihydro-3-methyl-3H-pyrazol-1-yl))- (ICI) (CA INDEX NAME)



IN 251443-20-6 CAPLUS

ON Benzenesulfonamide, 4-((4,5-dihydro-3-methyl-5-(4-(trifluoromethyl)phenyl)-3H-pyrazol-1-yl))- (ICI) (CA INDEX NAME)



IN 251443-25-1 CAPLUS

ON 3H-Pyrazole-3-carboxylic acid, 1-((4-(benzenesulfonylphenyl)-4,5-dihydro-5-(4-methylphenyl)-1-methyl ester (ICI) (CA INDEX NAME)



IN 251443-27-3 CAPLUS

L4 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2006 ACS on STM (Continued)



IN 251443-26-3 CAPLUS

ON Benzenesulfonamide, 4-((4,5-dihydro-5-(4-methoxy-3-methylphenyl)-3-(trifluoromethyl)-3H-pyrazol-1-yl))- (ICI) (CA INDEX NAME)



IN 251443-28-4 CAPLUS

ON Benzenesulfonamide, 4-((5-(3-fluoro-4-methoxyphenyl)-4,5-dihydro-3-(trifluoromethyl)-3H-pyrazol-1-yl))- (ICI) (CA INDEX NAME)



IN 251443-37-5 CAPLUS

ON Benzenesulfonamide, 4-((5-(2-fluoro-4-methoxyphenyl)-4,5-dihydro-3-(trifluoromethyl)-3H-pyrazol-1-yl))- (ICI) (CA INDEX NAME)

L4 ANSWER 14 OF 48 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



R1 251443-38-6 CAPLUS
Q1 Benzenesulfonamide, 4-[(5-(2,4-dimethoxyphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (R1) (CA INDEX NAME)



R1 251443-39-7 CAPLUS
Q1 Benzenesulfonamide, 4-[(5-(4-Fluoro-2-methoxyphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (R1) (CA INDEX NAME)



R1 251443-41-8 CAPLUS
Q1 Benzenesulfonamide, 4-[(3-(2,4-difluorophenyl)-5-(2,4-dimethylphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (R1) (CA INDEX NAME)

L4 ANSWER 14 OF 48 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)

R1 251443-43-3 CAPLUS
Q1 Benzenesulfonamide, 4-[(3-(2-Fluoro-4-(trifluoromethyl)phenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (R1) (CA INDEX NAME)



R1 251443-44-4 CAPLUS
Q1 Benzenesulfonamide, 4-[(5-(2,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (R1) (CA INDEX NAME)



R1 251443-45-5 CAPLUS
Q1 Benzenesulfonamide, 4-[(5-(3-Fluoro-2-methylphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (R1) (CA INDEX NAME)



L4 ANSWER 14 OF 48 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)

Q1 Benzenesulfonamide, 4-[(5-(2,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (R1) (CA INDEX NAME)



R1 251443-41-1 CAPLUS
Q1 Benzenesulfonamide, 4-[(4,5-dihydro-3-(trifluoromethyl)-5-(2,3,4-trifluorophenyl)-1H-pyrazol-1-yl)]- (R1) (CA INDEX NAME)



R1 251443-42-2 CAPLUS
Q1 Benzenesulfonamide, 4-[(5-(2-chloro-4-fluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (R1) (CA INDEX NAME)



L4 ANSWER 14 OF 48 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)

R1 251443-46-8 CAPLUS
Q1 Benzenesulfonamide, 4-[(4,5-dihydro-5-(4-methoxy-2-methylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (R1) (CA INDEX NAME)



R1 251443-47-7 CAPLUS
Q1 Benzenesulfonamide, 4-[(3-(2,4-difluorophenyl)-5-(2,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (R1) (CA INDEX NAME)



R1 251443-48-8 CAPLUS
Q1 Benzenesulfonamide, 4-[(5-(4-Fluoro-2-(trifluoromethyl)phenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)]- (R1) (CA INDEX NAME)



R1 251443-50-2 CAPLUS

- L4 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)
 ON Benzoesulfonyl-, 4-[(3-{2-(chloromethyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)-1H-pyrazol-1-yl}]- (KCI) (CA INDEX NAME)



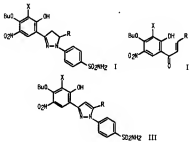
- RN 251443-51-3 CAPLUS
 ON Benzoesulfonyl-, 4-[(3-{4-(chloro-2-fluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)-1H-pyrazol-1-yl}]- (KCI) (CA INDEX NAME)



- RN 251443-52-4 CAPLUS
 ON Benzoesulfonyl-, 4-[(3-{4-(fluoro-2-methylphenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)-1H-pyrazol-1-yl}]- (KCI) (CA INDEX NAME)



- L4 ANSWER 15 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM
 AI 1997-1823P CAPLUS
 DN 128:199491
 T1 New pyrazoline and pyrazole derivatives
 AU Anthawala, K. D.; Yadav, R. V.
 CS Chem. Dep., R. R. Mehta Coll., Sol., Palampur, 305 002, India
 SO Journal of the Institution of Chemists (India) (1996), 66(4), 105-107
 COORD: JIC(AY); TSK: 0028-2054
 FB Institution of Chemists (India)
 CT Journal
 LA English
 GI



- AB Some new 2-pyrazolines **1** (R = 2,4-C12H9O2, 4-BzOCH₃, 2-allyl, 2-furyl, 2-HOCH₃; X = H, Br) have been prepared by the reaction of 2'-hydroxy-2'-isobutyl-4'-butoxy-5'-nitrochalcones **II** with p-maleimide[phenyl]pyrazole hydrazylchloride. mls oxidation of the pyrazolines with bromine water led to the formation of the corresponding pyrazoles **III**. The structures of the products have been characterized by IR and NMR spectral studies.
 II 187611-42-3P 187611-45-4P 187611-46-7P
 187611-47-8P 187611-48-9P 187611-49-0P
 RE: RCT (Reactant); SYN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (Preparation of pyrazolines and pyrazolines)
 RN 187611-42-3 CAPLUS
 ON Benzoesulfonyl-, 4-[(3-{2-bromo-4-butoxy-2-hydroxy-5-nitrophenyl}-5-(2,4-dihydroxyphenyl)-4,5-dihydro-1H-pyrazol-1-yl)-1H-pyrazol-1-yl]- (KCI) (CA INDEX NAME)

- L4 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)

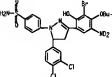


- RN 251443-53-5 CAPLUS
 ON Benzoesulfonyl-, 4-[(3-{2-fluoro-4-methylphenyl}-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl)-1H-pyrazol-1-yl]- (KCI) (CA INDEX NAME)

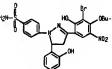


- RE CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORM

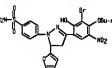
- L4 ANSWER 15 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



- RN 187611-45-6 CAPLUS
 ON Benzoesulfonyl-, 4-[(3-{2-bromo-4-butoxy-2-hydroxy-5-nitrophenyl}-5-(2,4-dihydroxyphenyl)-4,5-dihydro-1H-pyrazol-1-yl)-1H-pyrazol-1-yl]- (KCI) (CA INDEX NAME)

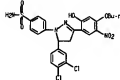


- RN 187611-46-7 CAPLUS
 ON Benzoesulfonyl-, 4-[(3-{2-bromo-4-butoxy-2-hydroxy-5-nitrophenyl}-5-(2,4-dihydroxyphenyl)-4,5-dihydro-1H-pyrazol-1-yl)-1H-pyrazol-1-yl]- (KCI) (CA INDEX NAME)



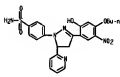
- RN 187611-47-8 CAPLUS
 ON Benzoesulfonyl-, 4-[(3-{4-butoxy-2-hydroxy-5-nitrophenyl}-5-(2,4-dihydroxyphenyl)-4,5-dihydro-1H-pyrazol-1-yl)-1H-pyrazol-1-yl]- (KCI) (CA INDEX NAME)

L4 ANSWER 15 OF 48 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



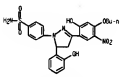
RN 187611-48-0 CAPLUS

OR Benzoxazol Formed in, 4-[(3-(4-benzyloxy-2-hydroxy-5-nitrophenyl)-4,5-dihydro-5-(2-pyridyl)-3H-pyrazol-1-yl)-2-nitrophenyl] (ICI) (CA INDEX NAME)



RN 187611-49-0 CAPLUS

OR Benzoxazol Formed in, 4-[(3-(4-benzyloxy-2-hydroxy-5-nitrophenyl)-4,5-dihydro-5-(2-pyridyl)-3H-pyrazol-1-yl)-2-nitrophenyl] (ICI) (CA INDEX NAME)



RN 187611-50-0 CAPLUS

OR Benzoxazol Formed in, 4-[(3-(4-benzyloxy-2-hydroxy-5-nitrophenyl)-4,5-dihydro-5-(2-pyridyl)-3H-pyrazol-1-yl)-2-nitrophenyl] (ICI) (CA INDEX NAME)

L4 ANSWER 16 OF 48 CAPLUS COPYRIGHT 2005 ACS on STM

AN 1986-714395 CAPLUS

DI 1361-67144

TI Synthesis of some hydrazones and pyrazoline derivatives

AB Fakhrieh, Hosam R.; Hoshur, Hassan R.; Hosen, Ahmed, Mohamed H.

CS Faculty Science, University Alexandria, Alexandria, Egypt

SO Pakistan Journal of Scientific and Industrial Research (1995), 36(5-6),

179-80

CDXN: PSTM: ESH: 0038-9885

PT Pakistan Council of Scientific and Industrial Research

67 Journal

L4 English

AB Condensation of chalcones with arylhydrazines and arylhydrazines gave the corresponding hydrazones, and cyclization of the hydrazones with HCl gave pyrazoline derivatives, which on oxidation with bromine water yielded the corresponding pyrazoles.

IT 186775-79-99

RL: RCT (Reactant): STM (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent)

(Preparation of pyrazoline derivs. from chalcones and hydrazines)

RN 186775-79-9 CAPLUS

OR Benzoxazol Formed in, 4-[5-(4-bromophenyl)-3-(2-(4-bromophenyl)-5-hydroxy-1H-pyrazol-1-yl)-2-nitrophenyl] (ICI) (CA INDEX NAME)



IT 186775-82-49

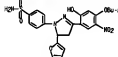
RL: STM (Synthetic preparation): PREP (Preparation)

(Preparation of pyrazoline derivs. from chalcones and hydrazines)

RN 186775-82-4 CAPLUS

OR Benzoxazol Formed in, 4-[5-(4-bromophenyl)-3-(2-(4-bromophenyl)-5-hydroxy-1H-pyrazol-1-yl)-2-nitrophenyl] (ICI) (CA INDEX NAME)

L4 ANSWER 15 OF 48 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



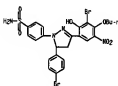
IT 187611-43-49 187611-44-49

RL: STM (Synthetic preparation): PREP (Preparation)

(Preparation of pyrazoles and pyrazolines)

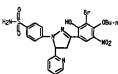
RN 187611-43-4 CAPLUS

OR Benzoxazol Formed in, 4-[(3-(3-bromo-4-benzyloxy-2-hydroxy-5-nitrophenyl)-4,5-dihydro-5-(2-pyridyl)-3H-pyrazol-1-yl)-2-nitrophenyl] (ICI) (CA INDEX NAME)

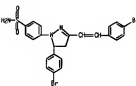


RN 187611-44-5 CAPLUS

OR Benzoxazol Formed in, 4-[(3-(3-bromo-4-benzyloxy-2-hydroxy-5-nitrophenyl)-4,5-dihydro-5-(2-pyridyl)-3H-pyrazol-1-yl)-2-nitrophenyl] (ICI) (CA INDEX NAME)



L4 ANSWER 16 OF 48 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



L4 ANSWER 17 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM
AN 1395-3265(9)

TI Synthesis and biological activity of new pyrazolines and pyrazoles
AU Basuif, Selma A.; Fakhilallah, Hassan M.; Jasein, Selma F.
CS Faculty Science, University King Abdulaziz, Jeddah, 21412, Saudi Arabia
SO Jordan Journal of Metecopetic Chemistry 1999, 8(1), 53-58
CODEN: JJOCIE; ISSN: 0971-5627
PB Lucerne University, Dep. of Chemistry
OT Journal
LA English
CI



AB Condensation of p-methylphenylhydrazine with chalcones leads either to hydrazones or to pyrazolines I (R = H, R1 = Ph, p-tolyl, p-BrC6H4). Oxidation of I (R = O) afforded the corresponding pyrazole derivative. Benzene sulfonylureas and -thioureas II (R = CMe2 or CMe2R2 (R2 = Ph, benzoyl, 1-naphthyl, PhCH2)) were also prepared. Cyclization of the chalconide group of compounds I (R = CMe2) or treating with R1 bromoacetate, R1 2-bromopropionate, or R1-bromoisobutyrate afforded the corresponding thiazolidine, thiazolidine and thiazolidine derivatives, resp. The synthesized compounds showed no antibacterial or antifungal activities.

TI 135243-05-2P 135243-04-2P 135243-07-4P
RL: SAC (Biological activity or effector, except adverse); BSU (Biological study, uncatalyzed); RCT (Reactant); SYN (Synthetic preparation); BSL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
AB (Synthesis and Biol. activity of new pyrazolines and pyrazoles)
AN 135243-06-2 CAPLUS
OR Benzene sulfonylurea, 4-[(5-(9-antracenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl)]- (EC) (CA INDEX NAME)

L4 ANSWER 17 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



RH 135243-06-3 CAPLUS
OR Benzene sulfonylurea, 4-[(5-(9-antracenyl)-4,5-dihydro-3-(4-methylphenyl)-1H-pyrazol-1-yl)]- (EC) (CA INDEX NAME)

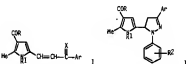


RH 135243-07-4 CAPLUS
OR Benzene sulfonylurea, 4-[(5-(9-antracenyl)-3-(4-bromophenyl)-4,5-dihydro-1H-pyrazol-1-yl)]- (EC) (CA INDEX NAME)



L4 ANSWER 18 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM
AN 1395-3265(9)

TI Synthesis and spectral studies of some new pyrazolines and pyrazoles
AU El-Sokry, H. M.; Fakhilallah, H. M.; El-Sokry, Hageh M.; Hassan, Selma F.
CS Faculty Science, Alexandria University, Alexandria, Egypt
SO Egyptian Journal of Chemistry 1999, 39(4), 469-478
CODEN: EJOCAC; ISSN: 0367-8427
PB National Information and Documentation Centre
OT Journal
LA English
CI



AB A number of 3'-(2-aryl-2-methylpyrazol-5-yl)-1'-aryl-2'-propen-1'-ones I (R = Ar = Ph, R1 = H, X = O; R = Et, R1 = Me, Ar = 4-BrC6H4, X = O; R = Et, R1 = H, Ar = Ph, 4-ClC6H4, 4-BrC6H4, 4-MeC6H4, 4-HOC6H4, 4-NO2C6H4, 4-NO2C6H4, X = O) have been prepared and transformed into the corresponding arylhydrazones II (X = H, 4-NO2, 2,4-(NO2)2). These hydrazones were cyclized to the pyrazolines III, which were cyclized to the corresponding pyrazoles. In addition, heating of the pyrazoline III (R = EtO, R1 = Me, R2 = H, Ar = 4-BrC6H4) with hydrazine hydrate afforded the hydrazide IV (R = H, R2 = Me, R1 = H, Ar = 4-BrC6H4) while pyrazolines III (R = EtO, R1 = H, R2 = 2,4-(NO2)2, Ar = 4-BrC6H4; R = EtO, R1 = Me, R2 = 4-BrC6H4) gave the azide V (R = O, R1 = Me, R2 = H, Ar = 4-BrC6H4) upon hydrolysis. Spectral properties of the prepared compounds were discussed.

TI 179638-04-5P
RL: SYN (Synthetic preparation); PREP (Preparation)
AB (Synthesis and spectral studies of some new pyrazolines and pyrazoles)
AN 179638-04-5 CAPLUS
OR Benzene sulfonylurea, 4-[(5-(4-benzyl-5-methyl-1H-pyrazol-2-yl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl)]- (EC) (CA INDEX NAME)

L4 ANSWER 18 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



L4 ANXEX 19 OF 48 CAPLUS COPYRIGHT 2005 ACS on STM

AN 1596:12248 CAPLUS

DN 124:28236

T1 Synthesis of new pyrazoline and pyrazole derivatives

A2 Bakali, Selma A.; Albar, Hassan A.; Faldallah, Hassan M.

C3 Faculty Science, King Abdulaziz University, Jeddah, Saudi Arabia

S0 Jordan Journal of Pharmaceutical Chemistry (1999), 3(2), 321-4

CODEN: JJPCIE; 1599: 0971-3627

R9 Lachow University, Dep. of Chemistry

D1 Journal

LA English

AB Condensation of p-substituted phenylhydrazine with chalcones, leads either to

hydrazones or pyrazolines which were oxidized to pyrazoles.

Benzotriazopyranes and thiazanes were also prepared, and the thiazanes

were converted to the corresponding thiazolidinones on reaction with Et

bromosuccinate.

T1 176654-06-0P 176654-06-0P

RL: RCT (Reactants); SM (Synthetic preparation); PREP (Preparation); RACT

(Reactant or reagent)

(Preparation and reactions of)

R9 176654-06-0 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

methoxyphenyl]-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

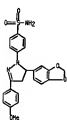
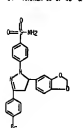
R9 176654-06-5 CAPLUS

C3 Benzotriazopyranol, 4-[5-(1,3-benzodioxol-5-yl)-3-(4-bromophenyl)-4,5-

difluoro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

L4 ANXEX 19 OF 48 CAPLUS COPYRIGHT 2005 ACS on STM

(Continued)



L4 ANXEX 20 OF 48 CAPLUS COPYRIGHT 2005 ACS on STM

(Continued)



AB Condensation of chalcones with arylhydrazines leads either to hydrazones

or pyrazolines, e.g. 1, depending on the condition of the reaction.

Oxidation of the pyrazolines with bromine water affords pyrazole derivs.

Reaction of the pyrazolines and pyrazoles with isocyanate and

isothiocyanate derivs. leads to the corresponding ureas and thioamides,

resp. Oxidation of the thioamides with Et bromosuccinate and Et

bromopropionates affords thiazolidinones and thiazanones, resp.

T1 156685-06-0P 156685-06-0P

RL: SM (Synthetic preparation); PREP (Preparation)

(Preparation of)

R9 156685-06-0 CAPLUS

C3 Benzotriazopyranol, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-(2-thienyl)-3H-

pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 156685-06-0 CAPLUS

C3 Benzotriazopyranol, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-(2-thienyl)-3H-

pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 156685-06-0 CAPLUS

C3 Benzotriazopyranol, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-(2-thienyl)-3H-

pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 156685-06-0 CAPLUS

C3 Benzotriazopyranol, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-(2-thienyl)-3H-

pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 156685-06-0 CAPLUS

C3 Benzotriazopyranol, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-(2-thienyl)-3H-

pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 156685-06-0 CAPLUS

C3 Benzotriazopyranol, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-(2-thienyl)-3H-

pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 156685-06-0 CAPLUS

C3 Benzotriazopyranol, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-(2-thienyl)-3H-

pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 156685-06-0 CAPLUS

C3 Benzotriazopyranol, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-(2-thienyl)-3H-

pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 156685-06-0 CAPLUS

C3 Benzotriazopyranol, 4-[4,5-dihydro-3-(4-methoxyphenyl)-5-(2-thienyl)-3H-

pyrazol-1-yl]- (XCI) (CA INDEX NAME)

R9 156685-06-0 CAPLUS

LA AMHER 21 OF 40 CAPLUS COPYRIGHT 2005 ACTS ON STM
AN 1593-071805 CAPLUS
DN 119-271065

TI triazole-pyrazole compounds with possible biological activity. Part II:
AU Mokhtar, Hassan M.; Fataallah, Hussein M.; Mostafa, Jehan M.;
CS Fac. Sci., Univ. Alexandria, Alexandria, Egypt
SO Pakistan Journal of Scientific and Industrial Research (1992), 25(11),
429-30

COOK: PISMA: 159H: 0020-9085

DT Journal
LA English
SI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Condensation of 4-formyl-2-aryl-1,2,3-triazoles with acetophenones gave
chalcones which were treated with hydrazines to give the corresponding
hydrazones or pyrazolines. Condensation reaction of
(phenyltriazolyl)(aralkenyl)phenylpyrazolines I (X = halo; Y = halo,
aralkenyl, alkyl, etc.) with isocyanates followed condensation
with bromoacetic gave the triazolidines II (see X, Y, R = alkyl,
aryl).

IT 150981-69-4P 150981-72-3P 150981-74-3P

150981-77-4P 150981-78-5P

RI: SPN (Synthetic preparation); PREP (Preparation)

(Conspiration of)

RI 150981-69-4 CAPLUS

DI Benzene/1-Formyl-4-[5-[2-(4-bromophenyl)-2H-1,2,3-triazol-4-yl]-4,5-

dihydro-3-phenyl-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

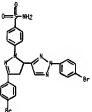


RI 150981-72-3 CAPLUS

DI Benzene/1-Formyl-4-[3-(4-chlorophenyl)-5-[2-(4-chlorophenyl)-2H-1,2,3-

triazol-4-yl]-4,5-dihydro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

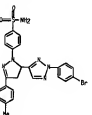
LA AMHER 21 OF 40 CAPLUS COPYRIGHT 2005 ACTS ON STM (Continued)



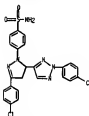
RI 150981-78-5 CAPLUS

DI Benzene/1-Formyl-4-[5-[2-(4-bromophenyl)-2H-1,2,3-triazol-4-yl]-4,5-

dihydro-3-(4-methylphenyl)-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)



LA AMHER 21 OF 40 CAPLUS COPYRIGHT 2005 ACTS ON STM (Continued)



RI 150981-74-3 CAPLUS

DI Benzene/1-Formyl-4-[5-[2-(4-bromophenyl)-2H-1,2,3-triazol-4-yl]-4,5-

dihydro-3-phenyl-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)



RI 150981-77-4 CAPLUS

DI Benzene/1-Formyl-4-[3-(4-bromophenyl)-5-[2-(4-bromophenyl)-2H-1,2,3-

triazol-4-yl]-4,5-dihydro-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

LA AMHER 22 OF 40 CAPLUS COPYRIGHT 2005 ACTS ON STM

AN 1593-072346 CAPLUS

DN 119-272046

TI triazole-pyrazole compounds with possible biological activity. Part I:

Synthesis and spectra

AU Fataallah, Hussein M.; Mokhtar, Hassan M.; Mostafa, Jehan M.;

Kamelentewez, Waleed

CS Fac. Sci., Univ. Alexandria, Alexandria, Egypt

SO Pakistan Journal of Scientific and Industrial Research (1992), 25(6),

423-30

COOK: PISMA: 159H: 0020-9085

DT Journal

LA English

SI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Condensation of aryl(aryltriazolyl)propenones I (R = H, Me, Cl, Br) with
4-(3,5-dibromo-2H-1,2,3-triazol-4-yl)-2H-1,2,3-triazol-4-yl-4,5-dihydro-3H-pyrazol-1-yl
hydrazones II or pyrazolines III depending upon the reaction conditions.
Treatment of III with Br₂ in K₂CO₃ affords bromopyrazoles IV. Reaction of
III and IV (R = H, Me, Br; R₂ = SO₂CH₃) with R₂NO₂ (R₂ = Bu, Ph, benzyl),
III and IV (R = H, Me, Br; R₂ = SO₂CH₃) with R₂NO₂ (R₂ = Bu, Ph, benzyl),
alkyl) gave the corresponding dihydrazones III and IV (R₂ = SO₂CH₃CH₂).
Cyclization of III (R = Br, R₂ = SO₂CH₃CH₂; R₂ = alkyl, Ph) with BrO₂CH₂CH₂ in EtOH gave
thiazolidine derivatives V and VI.

IT 150981-34-7P 150981-42-7P

RI: SPN (Synthetic preparation); PREP (Preparation)

(Conspiration of)

RI 150981-34-7 CAPLUS

DI Benzene/1-Formyl-4-[4,5-dihydro-3-phenyl-5-[2-phenyl-2H-1,2,3-triazol-4-yl]-

3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

RI 150981-42-7 CAPLUS

DI Benzene/1-Formyl-4-[3-(4-bromophenyl)-4,5-dihydro-3-phenyl-2H-1,2,3-

triazol-4-yl]-3H-pyrazol-1-yl]- (XCI) (CA INDEX NAME)

L4 ANSWER 23 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)

AN 1392-255606 CAPLUS

DB 136-6450

IN 137-9795

TI Electronic nature of polyfluoroalkoxyalkyl groups and their effect on

spectral characteristics of azo and triarylgrazoline dyes

AU Popov, I.; Serdjapina, V. T.; Prochuk, S. F.; Skrynnikova, A. A.;

Krasovskii, B. M.; Popovskii, L. M.

CS Inst. Org. Chem., Kiev, USSR

50 Zhurnal Khimicheskoi Fiziki (Russian Edition) (1991), 57(8), 843-9

CODEN: JCHMRS 1558-1344(91)

OT Journal

LA Russian

AB The electron-acceptor nature of polyfluoroalkoxyalkyl groups was

compared to that of a CF3SO2 group. The similarity of the electron

nature of these groups was supported by the similarity of their influence

on the spectral properties of azo and triarylgrazoline dyes. The

polyfluoroalkoxyalkyl groups exhibited high sensitivity in aromatic

nucleophilic substitution reactions. Substituent constants, were determined for

azo dyes (R = alkyl, fluoroalkyl) in meta- and para-substituted

fluorobenzene. Spectral data and phys. consts. are given for

polyfluoroalkoxyalkyl-substituted benzenes and triarylgrazolines.

IT 143795-49-9

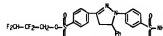
RI: 0053 (uses)

(dye, spectral properties of, effect of polyfluoroalkoxyalkyl groups

on)

IN 143795-49-9 CAPLUS

CS Benzene/sulfonic acid, 4-[4-(4-ethoxyalkoxy)phenyl]-4,5-dihydro-5-phenyl-3H-pyrazol-3-yl]-, 2,2,3,3-tetrafluoroethyl ester (SCI) (CA INDEX NAME)



L4 ANSWER 25 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM

AN 1392-255606 CAPLUS

DB 136-6450

IN 137-9795

TI Preparation of phenylgrazoline derivatives as additives for photosensitive

resins or their base materials

AU Furuta, Yumiko; Tamura, Yoshitsugu

PI Wipac Chemical Works Co., Ltd., Japan

50 Jpn. Kokai Tokkyo Koho, 29 pp.

CODEN: JCOUW

OT Patent

LA Japanese

FAN 017-1

PATENT NO. KING DATE APPLICATION NO. DATE

P1 JP 6326668 B2 19911216 JP 1990-01949 19910305

P2 JP 2757528 B2 19910625

P3 JP 1599-41048 19990305

P4 JPNPAT 116-255606

CI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Phenylgrazoline deriv. II, III: A = H, (R2)(C6H5-n where n = H, halo, (substituted) alkyl, etc., n = 1-2; B = O, (2 where n = H, halo, alkyl; X = O, (alkyl)imino; Y = H, halo, alkyl, or alkoxycarbonyl; Z = O, S, (alkyl)imino; R1 = H, halo, (substituted) alkyl, etc.; n = 1-2; I = O, 1; R2, R3 = H, halo, (substituted) alkyl, etc.) are prepared. Oxidation of enone compound III (R = H) followed by reduction with NaBH4 gave hydrazone III (R = H), which was refluxed with chalcone and NaOH in H2O to give 7,8-diphenyl derivative I (A = H, R1 = H, I = O, B = O where n = H, Y = H, R2 = H), which was incorporated into a photosensitive solution for a photosensitive element. In a preferred form, giving a high resolution pattern.

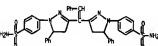
IT 143795-44-3P

RI: 504 (Synthetic preparation); PREP (Preparation)

(preparation of, as additive for photosensitive resins)

IN 143795-44-3 CAPLUS

CS Benzene/sulfonic acid, 4,4'-[4-(phenylethynyl)dimethyl(4,5-dihydro-5-phenyl-3H-pyrazol-3-yl)]bis- (SCI) (CA INDEX NAME)



L4 ANSWER 26 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM

AN 1392-6403 CAPLUS

DB 136-6450

IN 137-9795

TI Synthesis of nitrogen compounds. Part III

AU Abdur, K. M.; Farhat, S. S.

CS Fac. Sci., Alexandria Univ., Alexandria, Egypt

50 Pakistan Journal of Scientific and Industrial Research (1991), 34(1), 9-15

CODEN: PJSIRJ 1558-1344(91)

OT Journal

LA English

CI



AB Combination of formylgrazoline I with hydrazines gave hydrazones which were subsequently transformed into triarylgrazolines, pyrazolines, -teleneazolinones, and -teleneazolinones.

IT 137273-40-3P

RI: 504 (Synthetic preparation); PREP (Preparation)

(preparation and oxidative conversion or addition reaction of, with

hydrazones)

IN 137273-40-3 CAPLUS

CS Benzene/sulfonic acid, 4-[5-[4-(4-chlorophenyl)-2H-1,2,3,4-tetrahydro-3-methyl-3H-pyrazol-1-yl]- (SCI) (CA INDEX NAME)



L4 AM562 27 OF 40 CAPULS COPYRIGHT 2005 ACS on STM

AN 1991:202194 CAPULS

DN 134:202194

I1 Synthesis of nitrogenous compounds. Part II

AU Reiter, Nassar M.

CS Fac. Sci., Alexandria Univ., Alexandria, Egypt

SO Pakistan Journal of Scientific and Industrial Research (1999), 32(1-2), 39-6

COCOA PS384; ISSN: 0030-9895

DT Journal

LA English

OS COCOSTA 134:202194

AB 2,4-Dichlorobenzoates have been prepared by the condensation of ketones with *l*-lysine and converted to isomide, pyrazole, and quinoxaline derivatives for the study of structure activity relationship. A number of trisubstituted pyrazoles have been synthesized to study their potential use as antileishmanial and/or hypoglycemic agents.

I1 120953-84-2P 120953-86-7P 120956-68-2P

RI: SYN (Synthetic preparation); PREP (Preparation)

(preparation of)

RN 120953-84-2 CAPULS

DN Benzenesulfonyl-4-(5-(3-chlorophenyl)-4,5-dihydro-3-methyl-1H-pyrazol-1-yl)- (PCI) (CA INDEX NAME)



RN 120953-86-7 CAPULS

DN Benzenesulfonyl-4-(4-(5-dihydro-3-methyl-5-(3-nitrophenyl)-1H-pyrazol-1-yl)- (PCI) (CA INDEX NAME)



L4 AM562 28 OF 40 CAPULS COPYRIGHT 2005 ACS on STM

AN 1989:123261 CAPULS

DN 111:123261

I1 Synthesis of nitrogenous compounds free *l*-unsaturated

3,3-dichloromethyl esters. Part I. Substituted pyrazoles, isoxazoles, and quinoxalines

AU Reiter, Nassar M.

CS Fac. Sci., Alexandria Univ., Alexandria, Egypt

SO Journal of the Chemical Society of Pakistan (1989), 10(4), 414-24

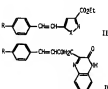
COCOA; CSTR; ISSN: 0253-5355

DT Journal

LA English

OS COCOSTA 111:123261

I1



AB Condensation of 4-IClO₂CH₂CH₂Cl (I; R = Me, Cl) with *l*-lysine gave 4-IClO₂CH₂CH₂CH₂CH₂Cl (III), which were converted to the *l*-esters by alcoholysis. II were converted by hydrazine or ethylhydrazine into the corresponding 4-pyrazol-3-ylcarboxylates III (R = Me; R = Me, Cl; R1 = H, Ph, 4-CH₃CH₂CH₂, 4-CH₃CH₂, 4-CH₃CH₂, etc.), which were hydrolyzed to the acids. With hydroxylamine, II afforded isoxazoles III (R = O), whereas with *o*-propylisocyanide they gave quinoxaline derivatives. IV, II on reaction with acylhydrazines gave the acylhydrazones which were cyclized to the corresponding 4-acylpyrazoles III (R = H; R1 = Me, Cl, R2 = Ph, 4-CH₃CH₂). Reaction of I with arylhydrazines afforded the corresponding hydrazones which on heating with ethanol containing few drops of HCl underwent cyclization to pyrazoles.

I1 120956-68-2P

RI: RCT (Reactant); SYN (Synthetic preparation); PREP (Preparation); RACT

(Reactant or reagent)

(preparation and bromination of)

RN 120956-68-2 CAPULS

DN Benzenesulfonyl-4-(5-(4-chlorophenyl)-4,5-dihydro-3-methyl-1H-pyrazol-1-yl)- (PCI) (CA INDEX NAME)

L4 AM562 27 OF 40 CAPULS COPYRIGHT 2005 ACS on STM

(Continued)

RN 120956-68-2 CAPULS

DN Benzenesulfonyl-4-(4-(4-methoxyphenyl)-3-methyl-1H-pyrazol-1-yl)- (PCI) (CA INDEX NAME)



L4 AM562 28 OF 40 CAPULS COPYRIGHT 2005 ACS on STM

(Continued)

RN 120956-68-2 CAPULS

DN Benzenesulfonyl-4-(4-(4-methoxyphenyl)-3-methyl-1H-pyrazol-1-yl)- (PCI) (CA INDEX NAME)

I1 120956-68-2P

RI: SYN (Synthetic preparation); PREP (Preparation)

(preparation of)

RN 120956-68-2 CAPULS

DN Benzenesulfonyl-4-(4-(4-methoxyphenyl)-3-methyl-1H-pyrazol-1-yl)- (PCI) (CA INDEX NAME)



RN 120956-68-2 CAPULS

DN Benzenesulfonyl-4-(4-(4-methoxyphenyl)-3-methyl-1H-pyrazol-1-yl)- (PCI) (CA INDEX NAME)



L4 ANWER 31 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



R# 111607-58-9 CAPLUS

C# Benzenesulfonamide, 4-(5-(4-chlorophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl)- (XCI) (CA INDEX NAME)



R# 111607-59-3 CAPLUS

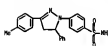
C# Benzenesulfonamide, 4-(5-(4-bromophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl)- (XCI) (CA INDEX NAME)



R# 111607-60-4 CAPLUS

C# Benzenesulfonamide, 4-(4,5-dihydro-3-(4-methylphenyl)-5-phenyl-1H-pyrazol-1-yl)- (XCI) (CA INDEX NAME)

L4 ANWER 31 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



L4 ANWER 32 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM

A# 1986:148807 CAPLUS

C# 104:148807

T# Synthesis of tri-substituted pyrazoles with possible anticlonal activity

A# Mishra, Nandan K.

C# Fac. Sci., Univ. Alexandria, Alexandria, Egypt

S# Pakistan Journal of Scientific and Industrial Research (1995), 25(2),

95-91

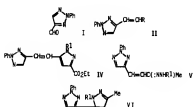
COD# PSIDAA; ISSN: 0030-9895

J# Journal

LA English

E#

L4 ANWER 32 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



A# Condensation of furfurylpyrazole I, prepared from 0-anilino-2-acetylpyrazole, with MeCO gave unsatd. ketone II (R = COMe) (III) which was condensed with EGDSOEt to give II (R = NO₂COOEt) followed by cyclocondensation with hydrazine to give pyrazoles IV (R = Me, Ph, substituted Ph, 2-pyridyl, chromol-1-yl). Condensation of III with hydrazine gave 1-methylenecyclopropanes which were cyclized to give pyrazoles V (R = Ph, substituted Ph, 2-pyridyl).

T# 1985:64-1P
R# SP# (Synthetic preparation): PREP (Preparation)
(Comparison of)

R# 100668-25-1 CAPLUS

C# Benzenesulfonamide, 4-(4,5-dihydro-3-methyl-5-(2-phenyl-2H-1,2,3-triazol-4-yl)-1H-pyrazol-1-yl)- (XCI) (CA INDEX NAME)

L4 ANSWER 33 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM

AN 1592-DLAL CAPLUS

DN 96-15440

T1 Trifluoromethyl pyrazoles of possible antidiabetic and antibacterial activity

AU Faid-Alah, Hassan K.

CI Owa, Owa.; Fac. Sci., Alexandria, Egypt

CO Pharmazie (1993), 36(11), 754-6

CDEX PHARM; ISSN: 0031-7144

OI Journal

LA English

AB Condensation of benzalacetone and dibenzalacetone with 4-(2-hydroxy-2-methyl-1,3-dioxol-5-yl)-2-pyridylhydrazine led to the corresponding hydrazenes. These were readily cyclized to pyrazolines on heating with HCl. The reaction of substituted benzalacetophenones with 1 and 2-pyridylhydrazine gave the pyrazoline derivatives. Oxidation of the pyrazolines with Br₂-H₂O afforded the pyrazoles. Reaction of 2-pyridylmethylacetophenone with 1 gave a hydroxyhydrazone which cyclized to the hydroxyhydrazone with Br₂-H₂O. Condensation of acetylhydrazine with substituted benzalacetophenones afforded the corresponding acetylhydrazones.

IT 18179-57-49 71263-25-59 80083-50-59

R0083-51-49 R0083-52-79

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and oxidation of)

RN 18179-57-4 CAPLUS

OI Benzene/1,4-dioxane, 4-(4,5-dihydro-3,5-diethyl-1H-pyrazol-1-yl)- (SCI) (CA INDEX NAME)



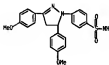
RN 71263-25-5 CAPLUS

OI Benzene/1,4-dioxane, 4-(4,5-dihydro-3,5-diethyl-1H-pyrazol-1-yl)-1-yl)- (SCI) (CA INDEX NAME)

L4 ANSWER 33 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)

RN 80083-52-8 CAPLUS

OI Benzene/1,4-dioxane, 4-(4,5-dihydro-3,5-diethyl-1H-pyrazol-1-yl)-1-yl)- (SCI) (CA INDEX NAME)



L4 ANSWER 33 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)



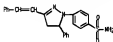
RN 80083-51-5 CAPLUS

OI Benzene/1,4-dioxane, 4-(4,5-dihydro-3-methyl-1H-pyrazol-1-yl)-1-yl)- (SCI) (CA INDEX NAME)



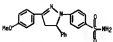
RN 80083-51-6 CAPLUS

OI Benzene/1,4-dioxane, 4-(4,5-dihydro-3-phenyl-1H-pyrazol-1-yl)-1-yl)- (SCI) (CA INDEX NAME)



RN 80083-52-7 CAPLUS

OI Benzene/1,4-dioxane, 4-(4,5-dihydro-3-(4-methoxyphenyl)-1H-pyrazol-1-yl)-1-yl)- (SCI) (CA INDEX NAME)



IT 80083-52-8P

RL: SPN (Synthetic preparation); PREP (Preparation)

L4 ANSWER 34 OF 40 CAPLUS COPYRIGHT 2005 ACS on STM

AN 1591-14971 CAPLUS

DN 84-145571

T1 Coloring of polyethylene by blue daytime fluorescent pigments

AU Sal Vitale, L. K.; Masterton, L. G.; Ohsaka, T. V.

CI J. Am. Chem. Soc. (1984), 106(1), 100-101

CO J. Am. Chem. Soc. (1984), 106(1), 100-101

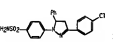
CDEX Fluorescence Spectroscopy, Series: Fluorescence Spectroscopy

CDEX: J. Am. Chem. Soc. (1984), 106(1), 100-101

OI Journal

LA Russian

OI



AB Colored polyethylene (5002-88-4) parts with increased brightness and adhesion resistance of daytime fluorescent pigments are prepared using pyrazole derivative 1 bonded with methine toluene/1,4-dioxane derivative-1,4-dioxane as hardener and photoactive blue (147-14-8) as pigment. The polymer in granular form was colored with pigments containing 1.0 and 2.0% luminescent by adding at 230°C using 0.2% vasoline oil as wetting agent. The pigments were uniformly distributed in the polymer.

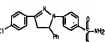
IT 77323-23-40, reaction products with methine toluene/1,4-dioxane derivative-formaldehyde polymers

RL: RES (Resin)

RL: RES (Resin) Fluorescent pigments, for polyethylene)

RN 77323-23-4 CAPLUS

OI Benzene/1,4-dioxane, 4-(3-(4-chlorophenyl)-4,5-dihydro-3-phenyl-1H-pyrazol-1-yl)-1-yl)- (SCI) (CA INDEX NAME)



L4 ANSWER 35 OF 40 CAPLUS COPYRIGHT 2005 ACS on STD

AN 1979:524849 CAPLUS

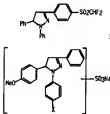
T1 Organic luminophors of the pyrazoline series - luminescent constituents of fluorescent pigments

AU Pereyaslova, D. G.; Bondarenko, V. E.; Stripkina, V. I.; Vinetskaya, Yu. M.; Bogdanova, L. I.

CS Nauchno-Fizich. Ob'edn. "Monokristallireaktiv", USSR
SO Ukrainskii Khimicheskii Zhurnal (Russian Edition) (1979), 45(6), 553-6
CODEN: UKZHUU; ISSN: 0043-6045

CT Journal

01

[illegible]

L4 ANSWER 36 OF 40 CAPLUS COPYRIGHT 2005 ACS 60 STM

AN 1973:406798 CAPLUS

II 3-(3',4'-Dichloro-6'-alkylphenyl)-2-pyrazoline derivatives as fluorescent whiteners

DN Mergler, Helmut

PA Farbwerke Hoechst A.-G.

CONT 3		PATENT NO.	ESNO	DATE	APPLICATION NO.	DATE
PI	72142620	A1	19730322	12	1975-1245019	19710900
	72142619	A2	19730323	13	1975-1245019	19721004
	BN 7200354	A1	19730323	14	1975-1245019	19721004
	CH 735724	A1	19730705	12	1975-13074	19730900
	GB 981097	A1	19731015	18	1975-10906	19721006
	US 3689116	A1	19731015	19	1975-10909	19721006
	IT 1106064	A1	19730900	12	1975-10662	19720307
	JP 4000046	A2	19730729	13	1974-0641	19730500
	CH 699474	A1	19730729	14	1975-15519	19730500
	BE 708506	A1	19730312	12	1975-123892	19720901
	FR 2166498	A1	19730318	18	1975-123890	19720901
	DE 1444607	A1	19730318	19	1975-123890	19720901
	US 3905135	A1	19730919	12	1974-483305	19730100
	US 4064708	A1	19730820	12	1975-450881	19730200
PMI	BE 71114127	A1	19730312	12	1975-123890	19720901
	DE 31141649	A1	19731009	12	1975-10909	19721006
	DE 307-20705	A1	19730907	12	1975-10909	19721006
	CA 125445056	A1	19730907	12	1975-10909	19721006

Fluorescent whitening agents (1, R = H; Et; R1 = H, *n*-O₂SC₆H₄, *p*-O₂SC₆H₄; R₂ = H, CF₃; R₃ = H, Cl, SO₂Na; SO₂Na, Cl; allylmethylfuryl, allylmethylfuryl, ethoxycarbonyl, carbonyl; R₄ = H, Cl, CF₃) were prepared and were used as whitening agents in textile wash baths and incorporation into polyacrylonitrile before spinning to fibers. Thus, 3,4,6-Cl₃2EtO₂C₂CO₂EtO₂Cl was condensed with *p*-O₂SC₆H₄NaOH, to give fluorescent whitener IR = R₁ = R₂ = R₃ = H, R₄ = SO₂Na (404S-21-2). The other 1 were similarly prepared.

N. 42003-20-4 CANINE

INDEX NAME)

14. ANSWER 75 OF 40. FAVORABLE CONDITIONS 2006 AGE = 57% (Continued)

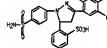
(continued)

foraldehyde-ethylene copolymer)
RN 71203-35-5 CAP115

CH Benzenesulfonamide, 4-[(4,5-dihydro-5-(4-methoxyphenyl)-3-phenyl-1H-pyrazol-1-yl)]- (9CI) (CA INDEX NAME)



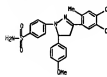
L4 ANSWER 36 OF 40 CAPLUS COPYRIGHT 2006 ACS on STM (Continued)



●

PH 43003-41-0 CARLINE

ON Benzenesulfonamide, 4-[3-(4,5-dichloro-2-methylphenyl)-4,5-dihydro-5-(4-methoxyphenyl)-1H-tetrazol-1-yl], (9CI) (CA INDEX NAME)



=> fil caol

FILE 'CAOLD' ENTERED AT 12:14:10 ON 10 FEB 2005

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> s 13

L5

4 L3

L5 ANSWER 1 OF 4 CADD COPYRIGHT 2005 ACS on SYN
 AN CADD:13830: CADD
 T1 Fluorescent brighteners for synthetic fibers - (X1) 2-pyrazoline
 AU Fluorescent brightening agents containing pyridine rings
 IT Benzene, substituted: Kawat. H.; Kuroki, H.; Kishimoto, K.
 959-05-0 1450-68-0 2035-55-1 2515-56-2 2515-57-3 2530-58-5
 2574-23-6 3060-50-8 3060-63-6 3060-65-8 3060-66-1 3060-71-9
 3060-74-1 3060-75-2 3079-51-9 3079-54-1 3079-55-2 3079-56-3
 3079-57-4 3079-59-0 3079-70-1 3079-71-2 3079-72-3
 3210-32-6 3610-07-1 3610-08-2 3610-09-3 3293-39-9 3293-41-4
 3293-42-5
 IT 3079-57-4
 IN 3079-57-4 CADD
 ON Benzene/1-formyl-, 4-(4,5-dihydro-3,5-dimethyl-2H-pyrazol-1-yl)- (XC1)
 (CA INDEX NAME)



L5 ANSWER 3 OF 4 CADD COPYRIGHT 2006 ACS on SYN
 AN CADD:11299: CADD
 T1 pyrazoline series - (III) synthesis of some 5-(5-bromo-2-furyl)pyrazolines
 AU Bellotti, Antonio
 IT 14270-96-9 9609-37-6 9027-94-9 10062-46-0 10062-46-9
 10070-25-9 10075-09-9 10076-01-6 10112-70-7 10111-61-7
 10159-01-9 10155-71-6 10152-79-3 10152-79-4 10141-01-4 10027-36-4
 10049-01-4 10026-05-3 10035-63-9 10033-94-1 10079-06-6 11433-46-7
 11475-40-9 10021-52-6 10056-69-9 12070-01-7
 IT 10079-25-9
 IN 10079-25-9 CADD
 ON Benzene/1-formyl-, p-[5-(5-bromo-2-furyl)-3-methyl-2-pyrazolin-1-yl]- (XC1) (CA INDEX NAME)



L5 ANSWER 2 OF 4 CADD COPYRIGHT 2006 ACS on SYN
 AN CADD:1244: CADD
 T1 derivative of p-hydroxybenzenesulfonamide
 AU (unassigned), Alberts; Bar, G.; Mizun-Caplan, C.
 IT 1079-37-4 6227-82-5 7140-57-5 9359-43-5 9077-37-8
 9080-94-1 91141-72-9 91565-77-9 91960-19-9 9225-57-0 9237-91-8
 9302-39-8 9308-92-4 9370-72-4 94112-12-6 9507-09-7 99843-37-9
 99924-57-5
 IT 9179-57-4
 IN 1079-37-4 CADD
 ON Benzene/1-formyl-, 4-(4,5-dihydro-3,5-dimethyl-2H-pyrazol-1-yl)- (XC1)
 (CA INDEX NAME)



L5 ANSWER 4 OF 4 CADD COPYRIGHT 2006 ACS on SYN
 AN CADD:110751: CADD
 T1 ultraviolet spectra of some 5-(2-furyl)pyrazolines
 AU Bellotti, Antonio; Oberiet, L.
 IT 15509-32-2 10584-76-0 99073-94-3 101542-46-9 100709-25-9
 100714-94-1 100716-01-6 100716-22-7 100112-19-9 10020-30-5
 10049-01-4 100998-89-3 115279-49-3 132700-01-7
 IT 100709-25-9 100714-94-1
 IN 100709-25-9 CADD
 ON Benzene/1-formyl-, p-[5-(5-bromo-2-furyl)-3-methyl-2-pyrazolin-1-yl]- (XC1) (CA INDEX NAME)



AN 100714-94-1 CADD
 ON Benzene/1-formyl-, 4-[5-(2-furyl)-4,5-dihydro-2-methyl-2H-pyrazol-1-yl]- (XC1) (CA INDEX NAME)



=> => d his

(FILE 'HOME' ENTERED AT 12:09:39 ON 10 FEB 2005)

FILE 'REGISTRY' ENTERED AT 12:09:47 ON 10 FEB 2005

L1 STRUCTURE UPLOADED

L2 9 S L1

L3 127 S L1 FULL

FILE 'CAPLUS' ENTERED AT 12:10:35 ON 10 FEB 2005

L4 40 S L3

FILE 'CAOLD' ENTERED AT 12:14:10 ON 10 FEB 2005

L5 4 S L3

FILE 'REGISTRY' ENTERED AT 12:14:54 ON 10 FEB 2005

L6 STRUCTURE UPLOADED

L7 0 S L6

L8 2 S L6 FULL

FILE 'CAPLUS' ENTERED AT 12:15:39 ON 10 FEB 2005

L9 3 S L8

10/630,397

Page 37

=> d 1-3 bib abs hitstr

PATENT NO.

PI MD 92628M

[illegible]

L9 ANSWER 2 OF 3 CAPUS COPYRIGHT 2006 ACS on STN (Continued)



AS Diarylpyrazoles 1 [R1 = H, Me, OCH₃, OCH₂, CF₃, CO₂H, alkyl, aryl, carbonyl, carbonyl, OR; R2 = H, Me, CF₃, R4, R7, R8 = H, Cl, F, Me, CF₃, OR; R5 = H, Cl, F, Me, CF₃, OR; R6 = SO₂Me, SO₂NEt₂, SO₂Me; R9 = SO₂Me, SO₂NEt₂, SO₂Me; R10 = H, Cl, F, Me, CF₃, OR; OCH₃] were prepared for use in treating inflammation and other processes mediated by COX-2. Thus, 2,4-dichlorophenol was treated with CF₃COOH to give (E)-2,4-dichlorophenyl-4-chloro-3-methyl-5-pyrazolecarboxylate which was cyclized with 4-Hydroxy-2-chlorobenzonitrile to give 1 [R1 (CF₃), R2-R4, R7, R8 = H, R5 = SO₂Me, R6 = Me] which gave 92% inhibition of COX-2 activity at 40 μ M only in rats.

251443-54-6P
RL: SYN (Synthetic preparation); THU (Therapeutic use); BIO. (Biological study); PREP (Preparation); USES (Uses)
(preparation of diarylpyrazoles as inhibitors of cyclooxygenase-2)

25343-54-6 CAPLUS
Acetamida, N-[(4-{5-(2,4-difluorophenyl)-4,5-dihydro-3-(trifluoromethyl)-1H-pyrazol-1-yl}phenyl)sulfonyl]- (9CI) (CA INDEX NAME)

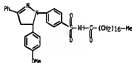


RECONT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

RN 71203-36-6 CAPLUS

ON Octadecanamide, N-[[4-[4,5-dihydro-5-(4-methoxyphenyl)-3-phenyl-1H-pyrazol-1-yl]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



L9 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STM

AN 1979:524849 CAPLUS

SI:124849

II Organic luminophors of the pyrazoline series - luminescent constituents of fluorescent pigments

AU Pereyaslova, D. G.:

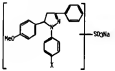
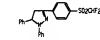
M.: Bogdanova, L. I.

CS Nauchno-Proiz. Ob'edin. "Monokristallreaktiv", USSR

50 *Ukrainian Kyivchen*
 2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588-2589-2590-2591-2592-2593-2594-2595-2596-2597-2598-2599-2600-2601-2602-2603-2604-2605-2606-2607-2608-2609-2610-2611-2612-2613-2614-2615-2616-2617-2618-2619-2620-2621-2622-2623-2624-2625-2626-2627-2628-2629-2630-2631-2632-2633-2634-2635-2636-2637-2638-2639-2640-2641-2642-2643-2644-2645-2646-2647-2648-2649-2650-2651-2652-2653-2654-2655-2656-2657-2658-2659-2660-2661-2662-2663-2664-2665-2666-2667-2668-2669-2670-2671-2672-2673-2674-2675-2676-2677-2678-2679-2680-2681-2682-2683-2684-2685-2686-2687-2688-2689-2690-2691-2692-2693-2694-2695-2696-2697-2698-2699-2700-2701-2702-2703-2704-2705-2706-2707-2708-2709-2710-2711-2712-2713-2714-2715-2716-2717-2718-2719-2720-2721-2722-2723-2724-2725-2726-2727-2728-2729-2730-2731-2732-2733-2734-2735-2736-2737-2738-2739-2740-2741-2742-2743-2744-2745-2746-2747-2748-2749-2750-2751-2752-2753-2754-2755-2756-2757-2758-2759-2760-2761-2762-2763-2764-2765-2766-2767-2768-2769-2770-2771-2772-2773-2774-2775-2776-2777-2778-2779-2780-2781-2782-2783-2784-2785-2786-2787-2788-2789-2790-2791-2792-2793-2794-2795-2796-2797-2798-2799-2800-2801-2802-2803-2804-2805-2806-2807-2808-2809-2810-2811-2812-2813-2814-2815-2816-2817-2818-2819-2820-2821-2

COOH:

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(lumophors, for fluorescent pigments containing aminosulfonyltoluene-formaldehyde-melamine copolymer)

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L10	160	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	"REDDY E PREMKUMAR"/AU
L11	73	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	"REDDY M V RAMANA"/AU
L12	205	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	L10 OR L11
L13	3	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	L12 AND (PYRAZOLINE OR ?PYRAZOLINE)

=> d 1-3 bib abs

